

## ABSTRACT

When a bias power level of a recording pulse waveform is varied entirely or partially, a shape of the recording pulse waveform  
5 is varied according to the variation. For example, when the bias power level is increased, a width or an edge position of a top pulse or a multi-pulse of the recording pulse waveform is varied correspondingly. Thereby, a total heat quantity of a recording laser light is not increased, and a preferable recording  
10 characteristic is maintained.